# BRUHAT BANGALORE MAHANAGARA PALIKE

## Dasarahalli Zone

## Schedule-B

**Name of Work: Construction of Concrete Retaining Wall And Other Civil Works to Mallasandra Colony School In Ward No 13 Shettyhalli Sub Division**

| Sl No | Description of Work | Unit | Qty as per Estimate | Rates | |
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| | | | | In Figures | In Words |
| 1 | Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually ( other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications specification. | Cum | 1562.4 | 268.92 | Rupees Two Hundred Sixty Eight And Paise Ninety Two Only |
| 2 | Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms*thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications | Cum | 72.21 | 5698.6 | Rupees Five Thousand Six Hundred Ninety Eight And Paise Sixty Only |
| 3 | Providing and constructing granite I trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, HOM, curing complete as per specifications. | Cum | 0.41 | 4992.02 | Rupees Four Thousand Nine Hundred Ninety Two And Paise Two Only |
| 4 | Providing and constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chisstle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications | Cum | 0.18 | 5483 | Rupees Five Thousand Four Hundred Eighty Three Only |
| 5 | Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. - do - cement mortar 1:4 | Sqm | 0.8 | 151.2 | Rupees One Hundred Fifty One And Paise Twenty Only |
| 6 | Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thicknes) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. | Cum | 375.43 | 6414.62 | Rupees Six Thousand Four Hundred Fourteen And Paise Sixty Two Only |
| 7 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. | Sqm | 712.38 | 386.64 | Rupees Three Hundred Eighty Six And Paise Sixty Four Only |

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| 8 | Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | tonne | 25.38 | 76643.29 | Rupees Seventy Six Thousand Six Hundred Forty Three And Paise Twenty Eight Only |
| 9 | Providing Weep Holes KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications | Nos/mtr | 12 | 158.76 | Rupees One Hundred Fifty Eight And Paise Seventy Six Only |
| 10 | Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of | Cum | 105.84 | 2258.28 | Rupees Two Thousand Two Hundred Fifty Eight And Paise Twenty |
| 11 | Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. | Sqm | 2.4 | 1000.69 | Rupees One Thousand And Paise Sixty Nine Only |
| 12 | Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications | Sqm | 4.8 | 264.65 | Rupees Two Hundred Sixty Four And Paise Sixty Five Only |
| 13 | Fabricating, supplying & erecting M.S. angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 No's of M.S anchor Bolts at each Supports, with base plate and shoe plate. The work including cutting, straightening, placing in position of M.s Angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all mayterials, labour charges, & hire charges of machineries for cutting, welding, grinding, & erection equipments, etc,complete as per specification | Kg | 11265.52 | 138.24 | Rupees One Hundred Thirty Eight And Paise Twenty Four Only |
| 14 | PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. | Sqm | 767.8 | 743.04 | Rupees Seven Hundred Forty Three And Paise Four Only |

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| 15 | Cement concrete pavement.Construction of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30 with 25mm and down size graded granite metal coarse aggregates and fine aggregates , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum | Cum | 55.76 | 5354.02 | Rupees Five Thousand Three Hundred Fifty Four And Paise Two Only |
| 16 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with prime | Sqm | 4.8 | 110.16 | Rupees One Hundred Ten And Paise Sixteen Only |
| 17 | Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surfacebrushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. | Sqm | 191.64 | 102.6 | Rupees One Hundred Two And Paise Sixty Only |

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